

Date: Mon, 11 Jul 94 04:30:35 PDT
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>
Errors-To: Ham-Space-Errors@UCSD.Edu
Reply-To: Ham-Space@UCSD.Edu
Precedence: Bulk
Subject: Ham-Space Digest V94 #183
To: Ham-Space

Today's Topics:

STS-65 Orbital State Vector Rev #28

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>
Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Space Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/ham-space".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: Sun, 10 Jul 1994 14:29:21 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!csus.edu!netcom.com!
astroman@network.ucsd.edu
Subject: STS-65 Orbital State Vector Rev #28
To: ham-space@ucsd.edu

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Vector format = 117
Satellite Name:           STS-65
Catalog Number:          23173  94039A
Epoch Date/Time:         94191.50291104167
                           07/10/1994 12:04:11.514 UTC

EFG E:                  -11117241.19 ft
F:                      -18840810.31 ft
G:                      -1136785.32 ft
Edot:                   17541.8935 ft/s
Fdot:                   -11066.0217 ft/s
Gdot:                   12026.3519 ft/s
ndot/2 (drag):          0.00081771014 rev/day^2
nddt/6:                  2.80587E-08 rev/day^3
Bstar:                  2.55347E-04 1/Earth Radii
Elset #:                      8
Rev @ Epoch:            28.98275947893

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MSDOS/PC software is available for conversion of
OSV to 2 Line Keplerian Elements via ftp to:
oak.oakland.edu:/pub/msdos/hamradio/v219331.zip
and the SIMTEL archives.

State Vectors courtesy Ken Ernandes N2WW

SM

Date: Sun, 10 Jul 1994 17:15:51 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!csus.edu!netcom.com!netcomsv!
telesoft!garym@network.ucsd.edu
To: ham-space@ucsd.edu

References <STS-65.94189.746@alsys.com>, <STS-65.94190.458@alsys.com>,
<STS-65.94190.625@alsys.com>
Reply-To : elements-request@alsys.com
Subject : STS-65 Element Set (94191.629)

STS-65
1 23173U 94105A 94191.62949203 .00064328 00000-0 21757-3 0 61
2 23173 28.4654 353.2447 0002401 329.9288 30.1191 15.90390986 323

Satellite: STS-65
Catalog number: 23173
Epoch time: 94191.62949203 = (10 JUL 94 15:06:28.11 UTC)
Element set: 006
Inclination: 28.4654 deg
RA of node: 353.2447 deg Space Shuttle Flight STS-65
Eccentricity: .0002401 Keplerian element set JSC-006
Arg of perigee: 329.9288 deg from NASA flight Day 3 vector
Mean anomaly: 30.1191 deg
Mean motion: 15.90390986 rev/day G. L. Carman
Decay rate: 6.4328e-04 rev/day^2 NASA Johnson Space Center
Epoch rev: 32

(for Shuttle Elements subscription info, email: listserv@alsys.com)

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End of Ham-Space Digest V94 #183
